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## MATERIAL DATA SHEET

### RNF4, human recombinant

### Cat. # E3-210

RNF4 (small nuclear ring finger protein, SNURF) is a RING-finger ubiquitin E3 ligase that ubiquitinates and mediates the proteasomal destruction of targets such as PML, PEA3, CENP1, and PARP1. In addition to the RING domain, RNF4 contains four SUMO-interacting motifs (SIMs) that function to recruit this ligase to poly-sumoylated substrates. RNF4 will autoubiquitinate *in vitro*, and will also ubiquitinate poly-SUMO chains. This recombinant protein is untagged.

#### Product Information

<b>Quantity:</b>	50 µg
<b>Stock:</b>	X mg/ml (X µM) in 50 mM Hepes 8.0, 200 mM NaCl, 5 mM DTT, 50 µM ZnCl <sub>2</sub>
<b>MW:</b>	21 kDa
<b>Purity:</b>	> 95% by SDS-PAGE

#### Use & Storage

<b>Use:</b>	Typical enzyme concentration to support conjugation <i>in vitro</i> is 50-500 nM depending on experimental conditions.
<b>Storage:</b>	Store at -80°C. Avoid multiple freeze/thaw cycles.

#### Literature

<b>References:</b>	Geoffroy, M-C., <i>et al.</i> (2010) <u>Mol. Bio. Cell</u> <b>21</b> : 4227-4239 Tatham, M.H., <i>et al.</i> (2008) <u>Nat Cell Bio.</u> <b>10</b> : 538-546
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Rev: 09/05/2012

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